

Nursery Stock Approved Treatment Protocol

June 1, 2010

Shipping of nursery stock by a nursery operator from an area infested with glassy-winged sharpshooter (GWSS) to a non-infested area, partially infested area, or area under active control is permissible under the following conditions:

1. Compliance Agreement

- a. Each shipping nursery facility (each individual site) shall enter into an approved treatment protocol compliance agreement with the shipping County Agricultural Commissioner (CAC). Portions of the GWSS Nursery Stock Approved Treatment Manual (BMP's), as specified by the shipping CAC and/or CDFA, shall be mandated as components of the facility's GWSS Pest Management Plan and treatment and safeguarding procedures, as applicable. The BMP's shall be enforceable as a part of the compliance agreement. Each compliance agreement will be reviewed and renewed annually.
- b. To qualify for an approved treatment protocol compliance agreement, a nursery must establish a written GWSS Pest Management Plan.
- c. The GWSS pest management plan is subject to approval by the shipping CAC.
- d. The nursery must comply with all compliance agreement and protocol requirements.

2. GWSS Pest Management Plan

- a. The plan shall be designed to minimize GWSS pest pressure in the growing area.
- b. The plan shall utilize concepts and principles of pest management at all times and implement and maintain BMP's as currently posted at CDFA's website: www.cdfa.ca.gov/pdcp/Nursery.html. When any changes occur in the BMP's, the shipping CAC will notify the nursery. Any new changes will be forwarded electronically or by other means to the nursery.
- c. The plan shall include an ongoing pest-monitoring program. This includes the placement and monitoring of yellow panel sticky traps evenly spaced throughout the nursery growing areas at a density of not less than (2) trap(s) per ½ acre, and at nursery shipping docks. These traps will be inspected a minimum of once every two weeks by a shipping CAC inspector.
- d. The required number of traps may be increased based on pest pressure as determined by the shipping CAC and CDFA.
- e. Nurseries shall maintain a free-from loading (shipping) dock.
- f. Incoming shipments of nursery stock will be from locations that have a current Compliance Agreement with the Glassy-winged Sharpshooter/Pierce's Disease Control Program. Additionally, the following will apply: from a non-infested premise (Program Regulation) nursery or approved treatment (ATP) nursery, nursery stock will be accepted "as is". From an infested premise (Master Permit) nursery, nursery stock will be cleaned of all GWSS life stages by nursery staff prior to arrival, **or**, the receiving nursery will establish a quarantine area for the incoming plants. The plants will be monitored using yellow sticky traps at a density of 2 traps per ½ acre for a period of no less than 4 weeks. The quarantine area will be a constant area approved by the County Agricultural Commissioner. ATP protocols will apply to any trap finds. *Verification of these methods described above may be required by the receiving*

county in the form of additional inspection or certification per each respective ATP Pest Management Plan.

- g. Under this protocol, the current threshold for GWSS in shipping nurseries is no more than 10 GWSS trapped in a single yellow panel trap in the same ½ acre within a two-week period. If this threshold is exceeded, all host material, within a 300' radius around the trap(s) indicating greater than 10 adults, shall be suspended from being shipped and must receive a chemical application. If after two trap servicings the pest pressure is below the threshold level and with the approval of the shipping CAC, then the suspension can be lifted and shipping can resume.

3. Record-Keeping

- a. Growing area treatment records must be maintained and available on-site for a minimum of two years plus the current year.
- b. Treatment and personnel training records must be made available to CDFA or the shipping CAC upon request.

4. Treatment and Safeguarding

- a. The nursery must demonstrate to the origin (shipping) CAC that all plant material in each shipment intended for non-infested counties, partially infested counties, and areas under active control within California has originated from growing grounds under a compliance agreement. In addition, the nursery must apply the standards of cleanliness as directed in CCR 3060.2a and FAC 6902 (a-d) to maintain minimal levels of pest presence within the nursery.
- b. All plants and plant material destined for non-infested counties, partially infested counties, and areas under active control within California shall be treated with CDFA-approved pesticides (currently Sevin SL or Tame) within 72 hours of shipment and at maximum label rates. Pesticide applications shall be made by an individual trained in accordance with item 7. Applications shall be made to meet label requirements and proper application techniques for Sevin SL and Tame.
- c. Nursery stock foliage shall be generally free from surface moisture at the time of treatment. Additionally, any rain event occurring within 24 hours of a treatment will result in the revocation of the ATP CQC. The exception will be if the plants are protected from the rain. Recertification of the plant material shall be conducted per label requirement.
- d. When factory recommendations do not specify the spray gun pressure (psi), it is the grower(s) and CAC(s) responsibility to determine the appropriate pressure by assessing spray coverage using water sensitive spray cards, spray dyes, or visual inspection.
- e. Treatments shall be conducted in the presence of a licensed shipping CAC inspector.
- f. Nursery personnel shall ensure that treated nursery stock is safeguarded to prevent re-infestation prior to shipping. Safeguarding steps shall include isolating the shipment and ensuring that no plants are added to or removed from the shipment after treatment.
- g. Nursery stock shall not receive overhead irrigation following treatment and prior to shipment due to risks of pesticide degradation. Irrigation of nursery stock following treatment and prior to shipping shall be conducted through the use of a watering wand or hose with water applied only to the planting medium and avoidance of wetting foliage.

5. Certification

- a. Shipments receiving approved treatments shall be certified via a Certificate of Quarantine Compliance (CQC, CDFA Form 66-079) issued by the shipping CAC.
- b. The CQC shall indicate:
 - The name and complete physical address of the nursery facility from which the nursery stock is shipped
 - Nursery approved treatment protocol compliance agreement number
 - The approved treatment material used
 - The application rate
 - The date of treatment
 - The signature of the inspector who witnessed the treatment
- c. CQC's shall be prepared for each delivery (drop). Each CQC shall contain the following statement: "This shipment is being shipped under the approved treatment protocol".
- d. The CQC shall expire at the end of the fifth day after being issued.

6. Notification

- a. Shipping nursery personnel shall provide receiving CAC's with no less than 24 hours notice when certified treated shipments are being sent to that receiving county.

7. Training

- a. The nursery shall have personnel trained in the GWSS Pest Management Plan and the effective application of the Approved Treatment Protocol on staff at all times.
- b. All nursery staff shall receive training on the GWSS Pest Management Plan and the Approved Treatment Protocol at least annually. Pesticide training will be conducted at least annually and appropriate update training shall be conducted at any time which any new chemicals or spray techniques are implemented. All new employees shall be trained prior to participating in the program. The training shall be in addition to the required pesticide safety training.
- c. The training materials and curriculum shall be updated annually.
- d. Treatment personnel shall be trained in effective application techniques for GWSS control as outlined in the BMP's (www.cdfa.ca.gov/pdcp/Nursery.html).
- e. All training provided shall be documented through written records.
- f. All of the above must be documented and available for review at any time by the CAC and/or CDFA.

8. Origin Inspection Authority

- a. CDFA, origin CAC inspectors, and shipping CAC inspectors shall be afforded access to nursery growing areas, shipping docks, and treatment and training records for inspection.

9. Destination Inspection Authority

- a. Arriving nursery stock shipments are subject to inspection by the receiving CAC, at his/her discretion. The receiving CAC may require hold orders on such shipments.

- b. Arriving certified nursery stock shipments shall be subject to sampling by CDFA and receiving CAC inspectors for pesticide residues.

10. Enforcement Actions and Authority

- a. Any certified nursery stock shipment found at destination to have live nymphal or adult GWSS will be destroyed on-site or returned to origin, as ordered by the receiving CAC. The shipping CAC and CDFA shall suspend the approved treatment protocol compliance agreement of any shipping nursery with a nymph or adult life stage rejection until the problem has been mitigated to satisfaction of the shipping CAC and CDFA.
- b. Nursery stock shipments lacking a valid CQC shall be held at destination until such documentation can be produced. The receiving CAC may reject the entire load if such documentation cannot be immediately produced.
- c. Failure to meet any approved treatment protocol compliance agreement requirement may result in the suspension or cancellation of both the approved treatment protocol compliance agreement and the authorization to ship nursery stock to non-infested areas under this agreement. The suspension or cancellation will continue until the deficiencies are corrected, as determined by CDFA and the shipping CAC.
- d. Repeated failures to meet approved treatment protocol compliance agreement requirements may result in the revocation of the approved treatment protocol compliance agreement for a period of up to one year or until CDFA or shipping CAC determine the nursery facility is in compliance with the conditions of the approved treatment protocol compliance agreement.
- e. The destination CAC shall have the authority to hold plant material with excessive egg masses and will immediately initiate discussion with shipping CAC and CDFA to discuss the next action. This authority is at the discretion of the destination CAC.

11. Annual Review

- a. An initial review of this Nursery Stock Approved Treatment Protocol will be conducted six months subsequent to adoption and annually thereafter. The purpose of the review is to examine the effectiveness of the protocol in its current form. The review will be by committee, chaired by CDFA.